

WHAT IS CLAIMED IS:

1. A display apparatus comprising:

a three-dimensional display device having a plurality of display surfaces;

5 an image generation device for generating images to be displayed on the three-dimensional display device;

an image specification device for enabling at least part of an image, which is displayed on the three-dimensional display device, to be specified; and

10 a control device for controlling the three-dimensional display device to display, of the images generated, an image portion specified by the image specification device, on one of the plurality of display surfaces and display, of the images generated, an image portion, which is not displayed on said one of the plurality of display surfaces, image portion,
15 on another display surface of the plurality of display surfaces.

2. The display apparatus according to claim 1, wherein the image specification device enables the image portion to be specified based on results of a determination of predetermined items or a conditional branch.

20 3. The display apparatus according to claim 1, wherein the image specification device enables the image portion to be specified through an external input operation.

4. The display apparatus according to claim 3, wherein the image specification device includes at least one of a pointing device, a touch
25 screen, which is superimposed on the three-dimensional display device, and a space sensor.

5. The display apparatus according to claim 1, wherein the control device controls the three-dimensional display device to display the image portion specified by the image specification device and the image portion associated therewith on said one of the plurality of display surfaces.

6. The display apparatus according to claim 1, further comprising an image selection device for selecting images, which are to be displayed subsequently on the plurality of display surfaces in correspondence with the image portion specified by the image specification device, from images generated by the image generation device,

wherein the control device controls the three-dimensional display device to display at least part of the image as selected on said one of the plurality of display surfaces in place of or in addition to the image portion specified by the image specification device.

7. The display apparatus according to claim 1, wherein the image specification device enables at least part of the image portion, which is displayed on said one of the plurality of display surfaces, to be further specified and disables the image portion displayed on the other display surface from being specified.

8. The display apparatus according to claim 1, wherein the control device generates an operation signal corresponding to the image portion specified by the image specification device.

9. The display apparatus according to claim 1, wherein the control device controls the three-dimensional display device to display part of the image generated by the image generation device on said one of the plurality of display surfaces in an initial state.

10. A display apparatus comprising:

a three-dimensional display device having a plurality of display surfaces;

an image generation device for generating images to be displayed
5 on the three-dimensional display device; and

a control device for controlling the three-dimensional display device to display, of the images generated, an image portion determined based on results of a determination of predetermined items or a conditional branch, on one of the plurality of display surfaces and
10 display, of the images generated, an image portion, which is not displayed on said one of the plurality of display surfaces, on another display surface of the plurality of display surfaces.

11. The display apparatus according to claim 1, wherein said one of the plurality of display surfaces is placed on a side of an observer.

15 12. The display apparatus according to claim 1, wherein the image portion specified by the image specification device is displayed with high brightness on the one of the plurality of display surfaces.

13. The display apparatus according to claim 1, wherein the image portion specified by the image specification device is displayed in
20 predetermined colors on the one of the plurality of display surfaces.

14. The display apparatus according to claim 1, wherein the image portion specified by the image specification device is displayed in an enlarged state under a predetermined magnification on the one of the plurality of display surfaces.

25 15. The display apparatus according to claim 1, wherein the image portion specified by the image specification device is displayed with light

blinking in a predetermined cycle on the one of the plurality of display surfaces.

16. The display apparatus according to claim 1, wherein the image portion not specified by the image specification device is displayed with low brightness on the other display surface.

17. The display apparatus according to claim 1, wherein the image portion not specified by the image specification device is displayed in predetermined colors on the other display surface.

18. The display apparatus according to claim 1, wherein the image portion not specified by the image specification device is displayed in a reduced state under a predetermined magnification on the other display surface.

19. The display apparatus according to claim 1, wherein, of the plurality of display surfaces, display surfaces other than at least an rearmost-side display surface comprise semitransparent display devices.

20. The display apparatus according to claim 19, wherein the semitransparent display devices are liquid crystal display devices or Electro-Luminescence display devices.

21. The display apparatus according to claim 1, wherein the plurality of display surfaces include composite display surfaces through half-mirrors.

22. The display apparatus according to claim 1, wherein the plurality of display surfaces of the three-dimensional display device are disposed in tandem in a direction of a line of sight of an observer.

23. The display apparatus according to claim 1, wherein the

three-dimensional display device is a three dimensional display device,
which utilizes any one of a barrier system having slits or pin-holes, and
includes an image to be displayed for a left eye of an observer and an
image to be displayed for a right eye of the observer, as the plurality of
5 display surfaces.

24. The display apparatus according to claim 1, wherein the
three-dimensional display device is a three-dimensional display device,
which utilizes a lenticule system and includes an image to be displayed
for a left eye of an observer and an image to be displayed for a right eye
10 of the observer, as the plurality of display surfaces.

25. A method for displaying a three-dimensional image utilizing a
display apparatus, which comprises a three-dimensional display device
having a plurality of display surfaces and an image specification device
for enabling at least part of an image, which is displayed on the
15 three-dimensional display device, to be specified, said method
comprising:

an image generating step for generating images to be displayed
on the three-dimensional display device; and

a controlling step for controlling the three-dimensional display
20 device to display, of the images generated, an image portion specified by
the image specification device on one of the plurality of display surfaces
and display, of the images generated, an image portion, which is not
displayed on said one of the plurality of display surfaces, on another
display surface of the plurality of display surfaces.

26. A method for displaying a three-dimensional image utilizing a
display apparatus, which comprises a three-dimensional display device
having a plurality of display surfaces, said method comprising:

an image generating step for generating images to be displayed
on the three-dimensional display device; and

a controlling step for controlling the three-dimensional display
device to display, of the images generated, an image portion determined
5 based on results of a determination of predetermined items or a
conditional branch, on one of the plurality of display surfaces and
display, of the images generated, an image portion, which is not
displayed on said one of the plurality of display surfaces, on another
display surface of the plurality of display surfaces.

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